

5.4 GHz 12 dBi 802.11a Compatible High Performance Omnidirectional Antenna - Model: HG5412U

Applications and Features

Applications:

- 5.4 GHz Band Applications
- Unlicensed European 5.4 GHz Band Applications
- IEEE 802.11a Wireless LAN
- WiFi Systems
- Radio Local Area Networks (RLAN)
- Fixed Wireless Access Systems (FWA)
- WiMAX Technology
- Multipoint applications

Features:

- Superior performance
- Compact, lightweight design
- Durable UV-stable fiberglass radome
- All weather operation
- Integral N-Female connector
- Includes mast mounting kit



Description

The HyperGain® HG5412U is a high performance omnidirectional antenna designed for the 5.4 GHz band. It is ideal for IEEE 802.11a wireless LAN applications in the 5.4GHz band as well as applications in the European unlicensed 5.4 GHz band and is well suited for multipoint applications where high gain and wide coverage is desired.

The HG5412U construction features a .96" diameter gray fiberglass radome for durability and aesthetics. It is designed for all weather operation. The integral N-Female type connector can be mounted through the wall of an equipment enclosure or to a mast up to 2.0" in diameter with the included mast mounting kit. The mast mounting kit consists of a heavy-duty steel bracket and a pair of U-bolts.



Specifications

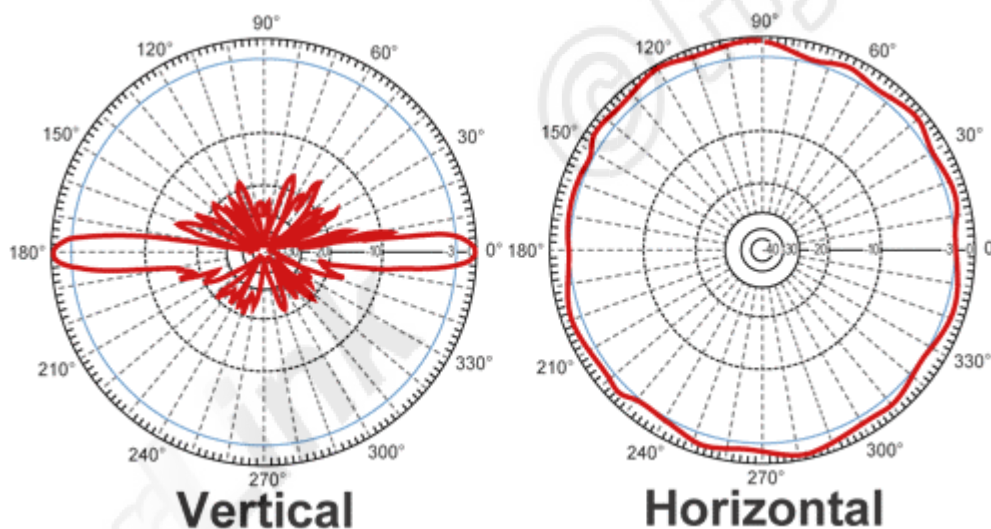
Electrical Specifications

Frequency	5470 - 5725 MHz
Gain	12 dBi
Polarization	Vertical
Vertical Beam Width	6°
Horizontal Beam Width	360°
Impedance	50 Ohm
Max. Input Power	5 Watts
VSWR	< 1.5:1 avg.
Lightning Protection	DC Short

Mechanical Specifications


Connector	Integral N-Female
Weight	1.1 lbs. (0.5 Kg)
Length	29 in. (0.7 m)
Radome Diameter	0.96 in. (24 mm)
Base Diameter	1.25 in. (31.7 mm)
Radome Material	Gray Fiberglass
Mounting	1¼" to 2" dia. mast max. (31.7mm to 50.8mm dia.)
Operating Temperature	-40° C to to 85° C (-40° F to 185° F)
Wind Survival	137mph (220KM/h)
RoHS Compliant	Yes

RF Antenna Gain Patterns



This product is backed by Hyperlink's Limited Warranty.

Mounting Options

	Description	Part Number
	Ceiling/Wall Universal Antenna Mount can be used with HyperLink's 4.5" sq and 8.5" sq. patch antennas as well as N-Type bulkhead and TNC/BNC bulkhead omni directional antennas. Includes ceiling/wall mounting hardware.	HGX-UMOUNT02